

CRFE

ACCESS DB # 172942

PLEASE PRINT CLEARLY

FOR OFFICIAL USE ONLY

Scientific and Technical Information Center

## SEARCH REQUEST FORM

Requester's Full Name: DAVID GUZO

Examiner #: 70677 Date: 11/30/05

Art Unit: 1636

Phone Number: 2-0767

Serial Number: 10/696282

Location (Bldg/Room#): Renew 2A29 (Mailbox #): 2C70 Results Format Preferred (circle):  PAPER  DISK

\*\*\*\*\*

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: \_\_\_\_\_

Inventors (please provide full names): \_\_\_\_\_

Earliest Priority Date: \_\_\_\_\_

Search Topic:

*Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.*

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please run a regular + interference sequence search on SEQ ID NO: 1 and on a nucleic acid sequence which ~~encodes~~ encodes SEQ ID NO: 13.

1- 4718 NA  
29g 13 - 736 AA

RECEIVED  
NOV 30 2005  
COURT OF APPEALS  
(SIC)

Thanks

2 na - 05p

12/12/05  
BTH

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - nucleic search

Run on: December 12, 2005, 07:07:34 ; Search time 8012 Seconds

Total number of hits satisfying chosen parameters: 158295336

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Scoring table: BLOSUM62  
xgapop 10.0 , ygapepxt 0.5  
Ygapop 10.0 , ygapepxt 0.5  
Fgapop 6.0 , Fgapepxt 7.0  
Delop 6.0 , Delext 7.0

Searched: 79147668 seqs, 21645789525 residues

Post-processing: Minimum Match 0\*

Maximum Match 100\*

Listing first 45 summaries

Command line parameters:  
-DB=Pending\_Patents\_NA\_Main -DBV=xlp  
-Q=-ccn2\_1/USPTO\_spool/p\_r/US1069682/runat\_06122005\_133343\_8453/app\_query.fasta\_1.90  
-LOPCL=0 -LCOPEXT=0 -UNITS=bite -START=1 -END=1 -MATRIX=blosum62  
-TRANS=human40.cgi -LIST=45 -DOCUMENTS=200 -THR SCORE=0 -THR MAX=100  
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=proto -NORMext -HEAPSIZE=500 -MINLEN=0  
-MAXLEN=200000000 -USER=US1069682 @runat\_06122005\_133343\_8453  
-NCPUS=6 -ICPU=3 -NO MMAP -LARGEPOOL -NEG SCORES=1 -WAIT -DSPBLOCK=100  
-LONGLOG -DBV TIMEOUT=120 -WARN TIMEOUT=30 -THRADS=1 -XGAPOP=10 -XGAPEXT=0.5 -DELPOP=6 -DELEXT=7 -YGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DBLOP=6 -FGAPOP=6 -FGAPEXT=7  
Database : Pending\_Patents\_NA\_Main:  
1: /cgn2\_6/ptodata/1/pna/PCUSA\_COMB.seq: \*  
2: /cgn2\_6/ptodata/1/pna/PCUSB\_COMB.seq: \*  
3: /cgn2\_6/ptodata/1/pna/PCUTSC\_COMB.seq: \*  
4: /cgn2\_6/ptodata/1/pna/US06\_COMB.seq: \*  
5: /cgn2\_6/ptodata/1/pna/US075\_COMB.seq: \*  
6: /cgn2\_6/ptodata/1/pna/US076\_COMB.seq: \*  
7: /cgn2\_6/ptodata/1/pna/US077\_COMB.seq: \*  
8: /cgn2\_6/ptodata/1/pna/US078\_COMB.seq: \*  
9: /cgn2\_6/ptodata/1/pna/US079\_COMB.seq: \*  
10: /cgn2\_6/ptodata/1/pna/US080\_COMB.seq: \*  
11: /cgn2\_6/ptodata/1/pna/US081\_COMB.seq: \*  
12: /cgn2\_6/ptodata/1/pna/US082\_COMB.seq: \*  
13: /cgn2\_6/ptodata/1/pna/US083\_COMB.seq: \*  
14: /cgn2\_6/ptodata/1/pna/US084\_COMB.seq: \*  
15: /cgn2\_6/ptodata/1/pna/US085\_COMB.seq: \*  
16: /cgn2\_6/ptodata/1/pna/US086\_COMB.seq: \*  
17: /cgn2\_6/ptodata/1/pna/US087\_COMB.seq: \*  
18: /cgn2\_6/ptodata/1/pna/US088\_COMB.seq: \*  
19: /cgn2\_6/ptodata/1/pna/US089\_COMB.seq: \*  
20: /cgn2\_6/ptodata/1/pna/US090\_COMB.seq: \*  
21: /cgn2\_6/ptodata/1/pna/US091\_COMB.seq: \*  
22: /cgn2\_6/ptodata/1/pna/US092\_COMB.seq: \*  
23: /cgn2\_6/ptodata/1/pna/US093\_COMB.seq: \*  
24: /cgn2\_6/ptodata/1/pna/US094\_COMB.seq: \*  
25: /cgn2\_6/ptodata/1/pna/US095\_COMB.seq: \*  
26: /cgn2\_6/ptodata/1/pna/US095B\_COMB.seq: \*  
27: /cgn2\_6/ptodata/1/pna/US095C\_COMB.seq: \*  
28: /cgn2\_6/ptodata/1/pna/US096A\_COMB.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result No.	Score	Query Match Length	DB ID	Description
SUMMARIES				
1	3989	100.0	2211	54 US-10-696-6112 Sequence 12, Appl
2	3989	100.0	2211	54 US-10-696-282-12 Sequence 12, Appl
3	3989	100.0	2211	54 US-10-696-900-12 Sequence 12, Appl
4	3989	100.0	4718	1 PCT-US22-33429-6 Sequence 6, Appl
5	3989	100.0	4718	1 PCT-US02-38423-20 Sequence 20, Appl
6	3989	100.0	4718	1 PCT-US11-1191-3 Sequence 3, Appl
7	3989	100.0	4718	43 US-10-291-583-6 Sequence 6, Appl
8	3989	100.0	4718	51 US-10-427-129-1 Sequence 1, Appl



GenCore version 5.1.6  
 Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - nucleic search, <http://www.compgen.com/Products/GenCore/GenCore.html>

Run on: December 12, 2005, 09:47:27 ; Search time 1262 seconds

(without alignment) 4822.712 Million cell updates/sec

Title: US-10-696-282-13

Perfect score: 3789 1 MAADSYLDPMLEDNSEGIR... NNGLYTPEPRPIGTRYLTRL 736

Scoring table: BIOSUM52

Xgapop	10.0	Xgapext	0.5
Ygapop	10.0	Ygapext	0.5
Fgapop	6.0	Fgapext	7.0
Delop	6.0	Delext	7.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587034

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

-MODE=frame+p2n.model -DBV=xlp  
 -Q=/ccn2\_1/USP0 spool/p/US1069682/runat\_06122005\_133344\_8507/app\_query.fasta\_1.90  
 -DB=Published\_Applications\_NA\_Main -QWMT=Fstat -SUFFIX=p2n.rnpbm  
 -MINMATCH=0.1 -LOOPCL=0 -LOOPEX=0 -UNITS=bits -START=1 -END=1  
 -THR SCORE=pct  
 -THR MAX=100 -THR MIN=0 -ALIGN=5 -MODE=LOCAL -OUTFMT=p2o -NORM=ext  
 -HBAFSIZE=500 -MINLEN=0 -MAXLEN=200000000  
 -USER@US10696282 @CGN\_1\_1 1549 @runat\_06122005\_133344\_8507 -NCPU=6 -ICPU=3  
 -NO MMAP -LARGEOMETRY -NEG SCORES=0 -WAIT -DSRLOCK=100 -LONGLOG  
 -DB TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPEXT=0.5 -FGAPOP=6  
 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=5 -DELOP=6 -DELEXT=7

Database :

1: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq:\*

2: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq:\*

3: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq:\*

4: /cgn2\_6/ptodata/1/pubpna/US09B\_PUBCOMB.seq:\*

5: /cgn2\_6/ptodata/1/pubpna/US10\_PUBCOMB.seq:\*

6: /cgn2\_6/ptodata/1/pubpna/US10B\_PUBCOMB.seq:\*

7: /cgn2\_6/ptodata/1/pubpna/US10C\_PUBCOMB.seq:\*

8: /cgn2\_6/ptodata/1/pubpna/US10D\_PUBCOMB.seq:\*

9: /cgn2\_6/ptodata/1/pubpna/US10E\_PUBCOMB.seq:\*

10: /cgn2\_6/ptodata/1/pubpna/US11\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	3989	100.0	2211	7 US-10-696-261-12 Sequence 12, Appl
2	3989	100.0	2211	7 US-10-696-282-12 Sequence 12, Appl
3	3989	100.0	2211	7 US-10-696-900-12 Sequence 12, Appl
4	3989	100.0	4718	6 US-10-291-583-6 Sequence 6, Appl
5	3989	100.0	4718	7 US-10-696-261-1 Sequence 1, Appl
6	3989	100.0	4718	7 US-10-696-282-1 Sequence 1, Appl
7	3989	100.0	4718	7 US-10-696-900-1 Sequence 1, Appl

#### ALIGNMENTS

SEQ ID	NO	TYPE: DNA	LENGTH: 2211	ORGANISM: AAV-1	FEATURE: FRAGMENT	NAME/KEY: CDS	LOCATION: (1..(2208))	OTHER INFORMATION: US-10-696-261-12
1	9	Sequence 1, Appl	9	Sequence 3, Appl	9	Sequence 11, Appl	9	Sequence 11, Appl
10	10	Sequence 1, Appl	10	Sequence 19, Appl	10	Sequence 19, Appl	10	Sequence 19, Appl
11	11	Sequence 1, Appl	11	Sequence 2, Appl	11	Sequence 2, Appl	11	Sequence 2, Appl
12	12	Sequence 1, Appl	12	Sequence 4, Appl	12	Sequence 4, Appl	12	Sequence 4, Appl
13	13	Sequence 1, Appl	13	Sequence 5, Appl	13	Sequence 5, Appl	13	Sequence 5, Appl
14	14	Sequence 1, Appl	14	Sequence 6, Appl	14	Sequence 6, Appl	14	Sequence 6, Appl
15	15	Sequence 1, Appl	15	Sequence 7, Appl	15	Sequence 7, Appl	15	Sequence 7, Appl
16	16	Sequence 1, Appl	16	Sequence 8, Appl	16	Sequence 8, Appl	16	Sequence 8, Appl
17	17	Sequence 1, Appl	17	Sequence 9, Appl	17	Sequence 9, Appl	17	Sequence 9, Appl
18	18	Sequence 1, Appl	18	Sequence 10, Appl	18	Sequence 10, Appl	18	Sequence 10, Appl
19	19	Sequence 1, Appl	19	Sequence 11, Appl	19	Sequence 11, Appl	19	Sequence 11, Appl
20	20	Sequence 1, Appl	20	Sequence 12, Appl	20	Sequence 12, Appl	20	Sequence 12, Appl
21	21	Sequence 1, Appl	21	Sequence 13, Appl	21	Sequence 13, Appl	21	Sequence 13, Appl
22	22	Sequence 1, Appl	22	Sequence 14, Appl	22	Sequence 14, Appl	22	Sequence 14, Appl
23	23	Sequence 1, Appl	23	Sequence 15, Appl	23	Sequence 15, Appl	23	Sequence 15, Appl
24	24	Sequence 1, Appl	24	Sequence 16, Appl	24	Sequence 16, Appl	24	Sequence 16, Appl
25	25	Sequence 1, Appl	25	Sequence 17, Appl	25	Sequence 17, Appl	25	Sequence 17, Appl
26	26	Sequence 1, Appl	26	Sequence 18, Appl	26	Sequence 18, Appl	26	Sequence 18, Appl
27	27	Sequence 1, Appl	27	Sequence 19, Appl	27	Sequence 19, Appl	27	Sequence 19, Appl
28	28	Sequence 1, Appl	28	Sequence 20, Appl	28	Sequence 20, Appl	28	Sequence 20, Appl
29	29	Sequence 1, Appl	29	Sequence 21, Appl	29	Sequence 21, Appl	29	Sequence 21, Appl
30	30	Sequence 1, Appl	30	Sequence 22, Appl	30	Sequence 22, Appl	30	Sequence 22, Appl
31	31	Sequence 1, Appl	31	Sequence 23, Appl	31	Sequence 23, Appl	31	Sequence 23, Appl
32	32	Sequence 1, Appl	32	Sequence 24, Appl	32	Sequence 24, Appl	32	Sequence 24, Appl
33	33	Sequence 1, Appl	33	Sequence 25, Appl	33	Sequence 25, Appl	33	Sequence 25, Appl
34	34	Sequence 1, Appl	34	Sequence 26, Appl	34	Sequence 26, Appl	34	Sequence 26, Appl
35	35	Sequence 1, Appl	35	Sequence 27, Appl	35	Sequence 27, Appl	35	Sequence 27, Appl
36	36	Sequence 1, Appl	36	Sequence 28, Appl	36	Sequence 28, Appl	36	Sequence 28, Appl
37	37	Sequence 1, Appl	37	Sequence 29, Appl	37	Sequence 29, Appl	37	Sequence 29, Appl
38	38	Sequence 1, Appl	38	Sequence 30, Appl	38	Sequence 30, Appl	38	Sequence 30, Appl
39	39	Sequence 1, Appl	39	Sequence 31, Appl	39	Sequence 31, Appl	39	Sequence 31, Appl
40	40	Sequence 1, Appl	40	Sequence 32, Appl	40	Sequence 32, Appl	40	Sequence 32, Appl
41	41	Sequence 1, Appl	41	Sequence 33, Appl	41	Sequence 33, Appl	41	Sequence 33, Appl
42	42	Sequence 1, Appl	42	Sequence 34, Appl	42	Sequence 34, Appl	42	Sequence 34, Appl
43	43	Sequence 1, Appl	43	Sequence 35, Appl	43	Sequence 35, Appl	43	Sequence 35, Appl
44	44	Sequence 1, Appl	44	Sequence 36, Appl	44	Sequence 36, Appl	44	Sequence 36, Appl
45	45	Sequence 1, Appl	45	Sequence 37, Appl	45	Sequence 37, Appl	45	Sequence 37, Appl



GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd

Run on: December 12, 2005, 06:00:53 ; Search time 6192 seconds  
OM protein - nucleic search, using [Pramebazon's models](#)

{without alignments}  
5561.255 Million cell updates/sec

**Title:** US-10-696-282-13  
**perfect score:** 3989  
**Sequence:** MAADGLPLPDWLSDNLSEGIR..... NNGLYTEPRPRIGTRYLTRLI 736  
**Scoring table:** BLOSUM62  

Xgapop	10.0	Xgapext	0.5
Xgapop	10.0	Xgapext	0.5
Fgapop	6.0	Fgapext	7.0
Delop	6.0	Delext	7.0

**Searched:** 41078325 seqB, 23393541228 residues

Total number of hits satisfying chosen parameters: 8215650

Post-processing: Minimum Match 0%  
Maximum DB seq length: 1000000000  
Maximum DB seq length: 2000000000

Maximum Match 100%  
Listing first 45 summaries

Command line parameters: -MODEL=frame+P2N.model -DEV=xlp -MODEL=frame+P2N.model -DEV=xlp

```

-DOCALLIGN=200 -THR_SCORE=PCT -THR_MAX=100 -THR_MIN=0 -ALIGN=15 -MODE=LOCAL
-OUTTYPE=pto -NORM=ext -HEAP_SIZE=500 -MINLEN=0 -MAXLEN=2000000 -MINFO=0
-TRACER=tracer -ACCN=1 -BASIT=0 -RTRN=0 -RTRN2=0 -RTRN3=0 -RTRN4=0

```

```
-NO_MMAP -LARGEQUERY -NEG_SCORES=0 -WAIT -DSBLOCK=100 -LONGLOG  
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPPOP=10 -XGAPEXT=0.5 -FGAPOC
```

Database : REST : \* -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DUBLAI=1

```
-----  
1: gb_est1:  
2: gb_esc2:  
-----
```

3.. qb est3:..  
4.. qb\_htc:..  
5.. qb\_est4:..

6: gb\_est5:\*

7: gb\_est6:\*

8: gb\_est7:\*

pred No is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	100.00	1	10	1	1	1

C	1	415	10.4	264	7	C0892248	C0892248	BovGen
C	2	294	7.4	195	7	C0888893	C0888893	BovGen
C	2	294	7.4	195	7	C0888893	C0888893	BovGen

Chromosome	Start	End	Strand	Gene	Protein	RefSeq
3	193.5	4.9	+	DR113597		
4	165	4.1	+	AY415352	AY415352	MIB
5	151.5	3.8	+	DR134595	DR134595	BW334595
6	148	3.7	+	DR147337	DR147337	BW347337
7	147	3.7	+	BC014681	BC014681	Homo Sapiens

GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - nucleic search, ~~Finding frame~~ ~~Using 2 frame mode~~  
Run on: December 12, 2005, 00:05:58 ; Search time 974 Seconds  
(without alignments)  
5036.154 Million cell updates/sec

Title: US-10-696-282-13  
Perfect score: 3989

Sequence: 1. MADGYLDPMLDNLSGIR . . . . . NNGLYTEPRPIGTRVLTPL 736

Scoring table: BLOSUM62

Xgapop 10.0 , Xgapext 0.5  
Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 4996997 seqs, 3332346308 residues

Total number of hits satisfying chosen parameters: 9993994

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Command line parameters:  
-NMODEL=frame\_p2n,model -DEV=xlp  
-O=cnp2\_nupsto\_spool\_p/US10696982/runat\_06122005\_133341\_8403/app\_query.fasta\_1.90  
-DB=N\_Geneseq,-QFMT=fatap,-SURFX=p2n.rng,-MINMATCH=0.1,-LOOPER=0,-LOOPX=0  
-UNITSBITS=1,-START=1,-END=1,-MATRIX=BLOSUM2,-TRANSHuman4.0.csl,-LIST=5  
-DCALIGN=0.0,-THR SCORE=PCT,-THR MIN=0,-ALIGN=L  
-OUTFMP=po,-NORM=ext,-HEARST=500,-MINLEN=0,-MAXLEN=200000000  
-USER=US10696982,@CGN\_1\_1\_1096 @runat\_06122005\_133341\_8403,-NCPU=6,-ICPU=3  
-NO\_MMAB,-LARGEQUERY,-NEG SCORES=0,-WAIT,-DSBLP=0,-LONGLOG  
-DEV TIMEOUT=120,-WARN TIMEOUT=30,-THRADS=1,-XGAPOP=10,-XGAPEXT=0.5,-FGAPOP=6  
-FGAPEXT=7,-YGAPOP=10,-YGAPEXT=0.5,-DELOP=6,-DELEXT=7

Database : N\_Geneseq\_21:  
1: geneseqn1990s:  
2: geneseqn1990s:  
3: geneseqn2000s:  
4: geneseqn2001a:  
5: geneseqn2001b:  
6: geneseqn2002a:  
7: geneseqn2002b:  
8: geneseqn2003a:  
9: geneseqn2003b:  
10: geneseqn2003c:  
11: geneseqn2003d:  
12: geneseqn2004a:  
13: geneseqn2004b:  
14: geneseqn2005s:  
15: geneseqn2006s:  
16: geneseqn2007s:  
17: geneseqn2008s:  
18: geneseqn2009s:  
19: geneseqn2010s:  
20: geneseqn2011s:  
21: geneseqn2012s:  
22: geneseqn2013s:  
23: geneseqn2014s:  
24: geneseqn2015s:  
25: geneseqn2016s:  
26: geneseqn2017s:  
27: geneseqn2018s:  
28: geneseqn2019s:  
29: geneseqn2020s:  
30: geneseqn2021s:  
31: geneseqn2022s:  
32: geneseqn2023s:  
33: geneseqn2024s:  
34: geneseqn2025s:  
35: geneseqn2026s:  
36: geneseqn2027s:  
37: geneseqn2028s:  
38: geneseqn2029s:  
39: geneseqn2030s:  
40: geneseqn2031s:  
41: geneseqn2032s:  
42: geneseqn2033s:  
43: geneseqn2034s:  
44: geneseqn2035s:  
45: geneseqn2036s:  
46: geneseqn2037s:  
47: geneseqn2038s:  
48: geneseqn2039s:  
49: geneseqn2040s:  
50: geneseqn2041s:  
51: geneseqn2042s:  
52: geneseqn2043s:  
53: geneseqn2044s:  
54: geneseqn2045s:  
55: geneseqn2046s:  
56: geneseqn2047s:  
57: geneseqn2048s:  
58: geneseqn2049s:  
59: geneseqn2050s:  
60: geneseqn2051s:  
61: geneseqn2052s:  
62: geneseqn2053s:  
63: geneseqn2054s:  
64: geneseqn2055s:  
65: geneseqn2056s:  
66: geneseqn2057s:  
67: geneseqn2058s:  
68: geneseqn2059s:  
69: geneseqn2060s:  
70: geneseqn2061s:  
71: geneseqn2062s:  
72: geneseqn2063s:  
73: geneseqn2064s:  
74: geneseqn2065s:  
75: geneseqn2066s:  
76: geneseqn2067s:  
77: geneseqn2068s:  
78: geneseqn2069s:  
79: geneseqn2070s:  
80: geneseqn2071s:  
81: geneseqn2072s:  
82: geneseqn2073s:  
83: geneseqn2074s:  
84: geneseqn2075s:  
85: geneseqn2076s:  
86: geneseqn2077s:  
87: geneseqn2078s:  
88: geneseqn2079s:  
89: geneseqn2080s:  
90: geneseqn2081s:  
91: geneseqn2082s:  
92: geneseqn2083s:  
93: geneseqn2084s:  
94: geneseqn2085s:  
95: geneseqn2086s:  
96: geneseqn2087s:  
97: geneseqn2088s:  
98: geneseqn2089s:  
99: geneseqn2090s:  
100: geneseqn2091s:  
101: geneseqn2092s:  
102: geneseqn2093s:  
103: geneseqn2094s:  
104: geneseqn2095s:  
105: geneseqn2096s:  
106: geneseqn2097s:  
107: geneseqn2098s:  
108: geneseqn2099s:  
109: geneseqn2000s:  
110: geneseqn2001s:  
111: geneseqn2002s:  
112: geneseqn2003s:  
113: geneseqn2004s:  
114: geneseqn2005s:  
115: geneseqn2006s:  
116: geneseqn2007s:  
117: geneseqn2008s:  
118: geneseqn2009s:  
119: geneseqn2010s:  
120: geneseqn2011s:  
121: geneseqn2012s:  
122: geneseqn2013s:  
123: geneseqn2014s:  
124: geneseqn2015s:  
125: geneseqn2016s:  
126: geneseqn2017s:  
127: geneseqn2018s:  
128: geneseqn2019s:  
129: geneseqn2020s:  
130: geneseqn2021s:  
131: geneseqn2022s:  
132: geneseqn2023s:  
133: geneseqn2024s:  
134: geneseqn2025s:  
135: geneseqn2026s:  
136: geneseqn2027s:  
137: geneseqn2028s:  
138: geneseqn2029s:  
139: geneseqn2030s:  
140: geneseqn2031s:  
141: geneseqn2032s:  
142: geneseqn2033s:  
143: geneseqn2034s:  
144: geneseqn2035s:  
145: geneseqn2036s:  
146: geneseqn2037s:  
147: geneseqn2038s:  
148: geneseqn2039s:  
149: geneseqn2040s:  
150: geneseqn2041s:  
151: geneseqn2042s:  
152: geneseqn2043s:  
153: geneseqn2044s:  
154: geneseqn2045s:  
155: geneseqn2046s:  
156: geneseqn2047s:  
157: geneseqn2048s:  
158: geneseqn2049s:  
159: geneseqn2050s:  
160: geneseqn2051s:  
161: geneseqn2052s:  
162: geneseqn2053s:  
163: geneseqn2054s:  
164: geneseqn2055s:  
165: geneseqn2056s:  
166: geneseqn2057s:  
167: geneseqn2058s:  
168: geneseqn2059s:  
169: geneseqn2060s:  
170: geneseqn2061s:  
171: geneseqn2062s:  
172: geneseqn2063s:  
173: geneseqn2064s:  
174: geneseqn2065s:  
175: geneseqn2066s:  
176: geneseqn2067s:  
177: geneseqn2068s:  
178: geneseqn2069s:  
179: geneseqn2070s:  
180: geneseqn2071s:  
181: geneseqn2072s:  
182: geneseqn2073s:  
183: geneseqn2074s:  
184: geneseqn2075s:  
185: geneseqn2076s:  
186: geneseqn2077s:  
187: geneseqn2078s:  
188: geneseqn2079s:  
189: geneseqn2080s:  
190: geneseqn2081s:  
191: geneseqn2082s:  
192: geneseqn2083s:  
193: geneseqn2084s:  
194: geneseqn2085s:  
195: geneseqn2086s:  
196: geneseqn2087s:  
197: geneseqn2088s:  
198: geneseqn2089s:  
199: geneseqn2090s:  
200: geneseqn2091s:  
201: geneseqn2092s:  
202: geneseqn2093s:  
203: geneseqn2094s:  
204: geneseqn2095s:  
205: geneseqn2096s:  
206: geneseqn2097s:  
207: geneseqn2098s:  
208: geneseqn2099s:  
209: geneseqn2000s:  
210: geneseqn2001s:  
211: geneseqn2002s:  
212: geneseqn2003s:  
213: geneseqn2004s:  
214: geneseqn2005s:  
215: geneseqn2006s:  
216: geneseqn2007s:  
217: geneseqn2008s:  
218: geneseqn2009s:  
219: geneseqn2010s:  
220: geneseqn2011s:  
221: geneseqn2012s:  
222: geneseqn2013s:  
223: geneseqn2014s:  
224: geneseqn2015s:  
225: geneseqn2016s:  
226: geneseqn2017s:  
227: geneseqn2018s:  
228: geneseqn2019s:  
229: geneseqn2020s:  
230: geneseqn2021s:  
231: geneseqn2022s:  
232: geneseqn2023s:  
233: geneseqn2024s:  
234: geneseqn2025s:  
235: geneseqn2026s:  
236: geneseqn2027s:  
237: geneseqn2028s:  
238: geneseqn2029s:  
239: geneseqn2030s:  
240: geneseqn2031s:  
241: geneseqn2032s:  
242: geneseqn2033s:  
243: geneseqn2034s:  
244: geneseqn2035s:  
245: geneseqn2036s:  
246: geneseqn2037s:  
247: geneseqn2038s:  
248: geneseqn2039s:  
249: geneseqn2040s:  
250: geneseqn2041s:  
251: geneseqn2042s:  
252: geneseqn2043s:  
253: geneseqn2044s:  
254: geneseqn2045s:  
255: geneseqn2046s:  
256: geneseqn2047s:  
257: geneseqn2048s:  
258: geneseqn2049s:  
259: geneseqn2050s:  
260: geneseqn2051s:  
261: geneseqn2052s:  
262: geneseqn2053s:  
263: geneseqn2054s:  
264: geneseqn2055s:  
265: geneseqn2056s:  
266: geneseqn2057s:  
267: geneseqn2058s:  
268: geneseqn2059s:  
269: geneseqn2060s:  
270: geneseqn2061s:  
271: geneseqn2062s:  
272: geneseqn2063s:  
273: geneseqn2064s:  
274: geneseqn2065s:  
275: geneseqn2066s:  
276: geneseqn2067s:  
277: geneseqn2068s:  
278: geneseqn2069s:  
279: geneseqn2070s:  
280: geneseqn2071s:  
281: geneseqn2072s:  
282: geneseqn2073s:  
283: geneseqn2074s:  
284: geneseqn2075s:  
285: geneseqn2076s:  
286: geneseqn2077s:  
287: geneseqn2078s:  
288: geneseqn2079s:  
289: geneseqn2080s:  
290: geneseqn2081s:  
291: geneseqn2082s:  
292: geneseqn2083s:  
293: geneseqn2084s:  
294: geneseqn2085s:  
295: geneseqn2086s:  
296: geneseqn2087s:  
297: geneseqn2088s:  
298: geneseqn2089s:  
299: geneseqn2090s:  
300: geneseqn2091s:  
301: geneseqn2092s:  
302: geneseqn2093s:  
303: geneseqn2094s:  
304: geneseqn2095s:  
305: geneseqn2096s:  
306: geneseqn2097s:  
307: geneseqn2098s:  
308: geneseqn2099s:  
309: geneseqn2000s:  
310: geneseqn2001s:  
311: geneseqn2002s:  
312: geneseqn2003s:  
313: geneseqn2004s:  
314: geneseqn2005s:  
315: geneseqn2006s:  
316: geneseqn2007s:  
317: geneseqn2008s:  
318: geneseqn2009s:  
319: geneseqn2010s:  
320: geneseqn2011s:  
321: geneseqn2012s:  
322: geneseqn2013s:  
323: geneseqn2014s:  
324: geneseqn2015s:  
325: geneseqn2016s:  
326: geneseqn2017s:  
327: geneseqn2018s:  
328: geneseqn2019s:  
329: geneseqn2020s:  
330: geneseqn2021s:  
331: geneseqn2022s:  
332: geneseqn2023s:  
333: geneseqn2024s:  
334: geneseqn2025s:  
335: geneseqn2026s:  
336: geneseqn2027s:  
337: geneseqn2028s:  
338: geneseqn2029s:  
339: geneseqn2030s:  
340: geneseqn2031s:  
341: geneseqn2032s:  
342: geneseqn2033s:  
343: geneseqn2034s:  
344: geneseqn2035s:  
345: geneseqn2036s:  
346: geneseqn2037s:  
347: geneseqn2038s:  
348: geneseqn2039s:  
349: geneseqn2040s:  
350: geneseqn2041s:  
351: geneseqn2042s:  
352: geneseqn2043s:  
353: geneseqn2044s:  
354: geneseqn2045s:  
355: geneseqn2046s:  
356: geneseqn2047s:  
357: geneseqn2048s:  
358: geneseqn2049s:  
359: geneseqn2050s:  
360: geneseqn2051s:  
361: geneseqn2052s:  
362: geneseqn2053s:  
363: geneseqn2054s:  
364: geneseqn2055s:  
365: geneseqn2056s:  
366: geneseqn2057s:  
367: geneseqn2058s:  
368: geneseqn2059s:  
369: geneseqn2060s:  
370: geneseqn2061s:  
371: geneseqn2062s:  
372: geneseqn2063s:  
373: geneseqn2064s:  
374: geneseqn2065s:  
375: geneseqn2066s:  
376: geneseqn2067s:  
377: geneseqn2068s:  
378: geneseqn2069s:  
379: geneseqn2070s:  
380: geneseqn2071s:  
381: geneseqn2072s:  
382: geneseqn2073s:  
383: geneseqn2074s:  
384: geneseqn2075s:  
385: geneseqn2076s:  
386: geneseqn2077s:  
387: geneseqn2078s:  
388: geneseqn2079s:  
389: geneseqn2080s:  
390: geneseqn2081s:  
391: geneseqn2082s:  
392: geneseqn2083s:  
393: geneseqn2084s:  
394: geneseqn2085s:  
395: geneseqn2086s:  
396: geneseqn2087s:  
397: geneseqn2088s:  
398: geneseqn2089s:  
399: geneseqn2090s:  
400: geneseqn2091s:  
401: geneseqn2092s:  
402: geneseqn2093s:  
403: geneseqn2094s:  
404: geneseqn2095s:  
405: geneseqn2096s:  
406: geneseqn2097s:  
407: geneseqn2098s:  
408: geneseqn2099s:  
409: geneseqn2000s:  
410: geneseqn2001s:  
411: geneseqn2002s:  
412: geneseqn2003s:  
413: geneseqn2004s:  
414: geneseqn2005s:  
415: geneseqn2006s:  
416: geneseqn2007s:  
417: geneseqn2008s:  
418: geneseqn2009s:  
419: geneseqn2010s:  
420: geneseqn2011s:  
421: geneseqn2012s:  
422: geneseqn2013s:  
423: geneseqn2014s:  
424: geneseqn2015s:  
425: geneseqn2016s:  
426: geneseqn2017s:  
427: geneseqn2018s:  
428: geneseqn2019s:  
429: geneseqn2020s:  
430: geneseqn2021s:  
431: geneseqn2022s:  
432: geneseqn2023s:  
433: geneseqn2024s:  
434: geneseqn2025s:  
435: geneseqn2026s:  
436: geneseqn2027s:  
437: geneseqn2028s:  
438: geneseqn2029s:  
439: geneseqn2030s:  
440: geneseqn2031s:  
441: geneseqn2032s:  
442: geneseqn2033s:  
443: geneseqn2034s:  
444: geneseqn2035s:  
445: geneseqn2036s:  
446: geneseqn2037s:  
447: geneseqn2038s:  
448: geneseqn2039s:  
449: geneseqn2040s:  
450: geneseqn2041s:  
451: geneseqn2042s:  
452: geneseqn2043s:  
453: geneseqn2044s:  
454: geneseqn2045s:  
455: geneseqn2046s:  
456: geneseqn2047s:  
457: geneseqn2048s:  
458: geneseqn2049s:  
459: geneseqn2050s:  
460: geneseqn2051s:  
461: geneseqn2052s:  
462: geneseqn2053s:  
463: geneseqn2054s:  
464: geneseqn2055s:  
465: geneseqn2056s:  
466: geneseqn2057s:  
467: geneseqn2058s:  
468: geneseqn2059s:  
469: geneseqn2060s:  
470: geneseqn2061s:  
471: geneseqn2062s:  
472: geneseqn2063s:  
473: geneseqn2064s:  
474: geneseqn2065s:  
475: geneseqn2066s:  
476: geneseqn2067s:  
477: geneseqn2068s:  
478: geneseqn2069s:  
479: geneseqn2070s:  
480: geneseqn2071s:  
481: geneseqn2072s:  
482: geneseqn2073s:  
483: geneseqn2074s:  
484: geneseqn2075s:  
485: geneseqn2076s:  
486: geneseqn2077s:  
487: geneseqn2078s:  
488: geneseqn2079s:  
489: geneseqn2080s:  
490: geneseqn2081s:  
491: geneseqn2082s:  
492: geneseqn2083s:  
493: geneseqn2084s:  
494: geneseqn2085s:  
495: geneseqn2086s:  
496: geneseqn2087s:  
497: geneseqn2088s:  
498: geneseqn2089s:  
499: geneseqn2090s:  
500: geneseqn2091s:  
501: geneseqn2092s:  
502: geneseqn2093s:  
503: geneseqn2094s:  
504: geneseqn2095s:  
505: geneseqn2096s:  
506: geneseqn2097s:  
507: geneseqn2098s:  
508: geneseqn2099s:  
509: geneseqn2000s:  
510: geneseqn2001s:  
511: geneseqn2002s:  
512: geneseqn2003s:  
513: geneseqn2004s:  
514: geneseqn2005s:  
515: geneseqn2006s:  
516: geneseqn2007s:  
517: geneseqn2008s:  
518: geneseqn2009s:  
519: geneseqn2010s:  
520: geneseqn2011s:  
521: geneseqn2012s:  
522: geneseqn2013s:  
523: geneseqn2014s:  
524: geneseqn2015s:  
525: geneseqn2016s:  
526: geneseqn2017s:  
527: geneseqn2018s:  
528: geneseqn2019s:  
529: geneseqn2020s:  
530: geneseqn2021s:  
531: geneseqn2022s:  
532: geneseqn2023s:  
533: geneseqn2024s:  
534: geneseqn2025s:  
535: geneseqn2026s:  
536: geneseqn2027s:  
537: geneseqn2028s:  
538: geneseqn2029s:  
539: geneseqn2030s:  
540: geneseqn2031s:  
541: geneseqn2032s:  
542: geneseqn2033s:  
543: geneseqn2034s:  
544: geneseqn2035s:  
545: geneseqn2036s:  
546: geneseqn2037s:  
547: geneseqn2038s:  
548: geneseqn2039s:  
549: geneseqn2040s:  
550: geneseqn2041s:  
551: geneseqn2042s:  
552: geneseqn2043s:  
553: geneseqn2044s:  
554: geneseqn2045s:  
555: geneseqn2046s:  
556: geneseqn2047s:  
557: geneseqn2048s:  
558: geneseqn2049s:  
559: geneseqn2050s:  
560: geneseqn2051s:  
561: geneseqn2052s:  
562: geneseqn2053s:  
563: geneseqn2054s:  
564: geneseqn2055s:  
565: geneseqn2056s:  
566: geneseqn2057s:  
567: geneseqn2058s:  
568: geneseqn2059s:  
569: geneseqn2060s:  
570: geneseqn2061s:  
571: geneseqn2062s:  
572: geneseqn2063s:  
573: geneseqn2064s:  
574: geneseqn2065s:  
575: geneseqn2066s:  
576: geneseqn2067s:  
577: geneseqn2068s:  
578: geneseqn2069s:  
579: geneseqn2070s:  
580: geneseqn2071s:  
581: geneseqn2072s:  
582: geneseqn2073s:  
583: geneseqn2074s:  
584: geneseqn2075s:  
585: geneseqn2076s:  
586: geneseqn2077s:  
587: geneseqn2078s:  
588: geneseqn2079s:  
589: geneseqn2080s:  
590: geneseqn2081s:  
591: geneseqn2082s:  
592: geneseqn2083s:  
593: geneseqn2084s:  
594: geneseqn2085s:  
595: geneseqn2086s:  
596: geneseqn2087s:  
597: geneseqn2088s:  
598: geneseqn2089s:  
599: geneseqn2090s:  
600: geneseqn2091s:  
601: geneseqn2092s:  
602: geneseqn2093s:  
603: geneseqn2094s:  
604: geneseqn2095s:  
605: geneseqn2096s:  
606: geneseqn2097s:  
607: geneseqn2098s:  
608: geneseqn2099s:  
609: geneseqn2000s:  
610: geneseqn2001s:  
611: geneseqn2002s:  
612: geneseqn2003s:  
613: geneseqn2004s:  
614: geneseqn2005s:  
615: geneseqn2006s:  
616: geneseqn2007s:  
617: geneseqn2008s:  
618: geneseqn2009s:  
619: geneseqn2010s:  
620: geneseqn2011s:  
621: geneseqn2012s:  
622: geneseqn2013s:  
623: geneseqn2014s:  
624: geneseqn2015s:  
625: geneseqn2016s:  
626: geneseqn2017s:  
627: geneseqn2018s:  
628: geneseqn2019s:  
629: geneseqn2020s:  
630: geneseqn2021s:  
631: geneseqn2022s:  
632: geneseqn2023s:  
633: geneseqn2024s:  
634: geneseqn2025s:  
635: geneseqn2026s:  
636: geneseqn2027s:  
637: geneseqn2028s:  
638: geneseqn2029s:  
639: geneseqn2030s:  
640: geneseqn2031s:  
641: geneseqn2032s:  
642: geneseqn2033s:  
643: geneseqn2034s:  
644: geneseqn2035s:  
645: geneseqn2036s:  
646: geneseqn2037s:  
647: geneseqn2038s:  
648: geneseqn2039s:  
649: geneseqn2040s:  
650: geneseqn2041s:  
651: geneseqn2042s:  
652: geneseqn2043s:  
653: geneseqn2044s:  
654: geneseqn2045s:  
655: geneseqn2046s:  
656: geneseqn2047s:  
657: geneseqn2048s:  
658: geneseqn2049s:  
659: geneseqn2050s:  
660: geneseqn2051s:  
661: geneseqn2052s:  
662: geneseqn2053s:  
663: geneseqn2054s:  
664: geneseqn2055s:  
665: geneseqn2056s:  
666: geneseqn2057s:  
667: geneseqn2058s:  
668: geneseqn2059s:  
669: geneseqn2060s:  
670: geneseqn2061s:  
671: geneseqn2062s:  
672: geneseqn2063s:  
673: geneseqn2064s:  
674: geneseqn2065s:  
675: geneseqn2066s:  
676: geneseqn2067s:  
677: geneseqn2068s:  
678: geneseqn2069s:  
679: geneseqn2070s:  
680: geneseqn2071s:  
681: geneseqn2072s:  
682: geneseqn2073s:  
683: geneseqn2074s:  
684





## ALIGNMENT

```

Sequence 5, Appli
Sequence 2, Appli
Sequence 18, Appli
Sequence 18, Appli
Sequence 18, Appli
Sequence 1, Appli
Sequence 2, Appli
Sequence 1, Appli
Sequence 7, Appli
Sequence 2, Appli
Sequence 3, Appli
Sequence 5, Appli
Sequence 15, Appli
Sequence 2, Appli
Sequence 1, Appli
Sequence 1, Appli
Sequence 4, Appli

```

24	3101.8	65.9	4679	6	US-10-138-819
25	3107.8	65.9	4680	6	US-10-977-361
25	3084.2	65.4	4681	7	US-10-698-282
27	3084.2	65.4	4681	7	US-10-698-282
28	3084.2	65.4	4681	7	US-10-698-900
29	3082.4	65.3	4680	5	US-10-077-294
30	3082.4	65.3	4680	5	US-10-133-886
31	3082.4	65.3	4680	5	US-10-263-127
32	3082.4	65.3	4680	6	US-10-375-777
33	3082.4	65.3	4680	10	US-11-063-903-000
34	3055.8	64.8	4675	3	US-09-722-3708
35	3055.8	64.8	4675	3	US-09-822-3808
36	3055.8	64.8	4675	5	US-10-240-198
37	3055.8	64.8	4675	6	US-10-291-583
38	3055.8	64.8	4675	7	US-10-227-1220
39	2993.4	63.4	7557	3	US-09-770-315
40	2941.8	62.4	8179	7	US-10-205-942
41	2898.6	61.4	12136	7	US-10-427-129
42	2730.9	59.7	8151	5	US-10-205-942
43	2609.4	55.3	4768	3	US-09-254-777
44	2609.4	55.3	4768	7	US-10-179-311
45	2598.6	55.1	4767	7	US-10-427-129

Description	Sequence 6, Appli	SEQ ID NO 6	SOFTWARE: PatentIn version 3.1
Sequence 1, Appli		LENGTH: 4718	NUMBER OF SEQ ID NOS 120
Sequence 1, Appli			ORGANISM: adeno-associated virus serotype
Sequence 1, Appli			US-10-291-583-6
Sequence 3, Appli			
Sequence 6, Appli		Query Match	
Sequence 2, Appli		Best Local Similarity	100.0%; Score 47
Sequence 19, Appli		100.0%	SEQ ID NO 6
Sequence 15, Appli		Matches 4718;	LENGTH: 4718
Sequence 19, Appli		Conservative	TYP: DNA
Sequence 1, Appli		0;	
Sequence 1, Appli		Mismatch	
Sequence 11, Appli			
Sequence 1, Appli			
Sequence 5, Appli			
Sequence 4, Appli			
Sequence 1, Appli			
Sequence 8, Appli			
Sequence 4, Appli			
Sequence 3, Appli			
Sequence 1, Appli			
Sequence 10, Appli			
Sequence 12, Appli			
	Ov	Ov	

Page 1

GenCore version 5.1.6  
 Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 11, 2005, 12:04:41 ; Search time 16217 Seconds

(without alignments) 13611.732 Million cell updates/sec

Title: us10-696-282-1

Perfect score: 4718

Sequence: 1 ttgcacactccctcttgcg.....cgagagggagtggcaa 4718

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 41078325 seqs, 23393541228 residues

Total number of hits satisfying chosen parameters: 82156650

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
 Maximum Match 100%

Listing first 45 summaries

Database : EST\*

1: gb\_est1: \*  
 2: gb\_est2: \*  
 3: gb\_est3: \*  
 4: gb\_htc: \*  
 5: gb\_est4: \*  
 6: gb\_est5: \*  
 7: gb\_est6: \*  
 8: gb\_est7: \*  
 9: gb\_g881: \*  
 10: gb\_g882: \*  
 11: gb\_g883: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

#### ALIGNMENTS

#### RESULTS

#### RESULT 1

CO892248/C  
 LOCUS CO892248 264 bp mRNA Linear EST 01-SEP-2004  
 DEFINITION BovGen 2053 normal cattle brain mRNA clone  
 RZPP105M036Q 5', mRNA sequence.  
 ACCESSION CO892248  
 VERSION CO892248.1 GI:51022548  
 KEYWORDS EST.  
 SOURCE  
 ORGANISM Bos taurus (cow)  
 TAXONOMY  
 Bos taurus  
 Bovidae; Mammalia; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Eutheria; Laurasiatheria; Gekartiodactyla; Ruminantia; Pecora; Bovidae; Bovinae; Bos.  
 1 (bases 1 to 264)  
 REFERENCE  
 Hennig, S., Janitz, M., Herwig, R. and Williams, J.  
 Generation, annotation, evolutionary analysis and database integration of 14869 cattle EST clusters  
 Unpublished (2004)  
 JOURNAL  
 COMMENT  
 Contact: Hennig S  
 laboratory 123, dept. Lehrzach  
 Max-Planck-Institut fuer Molekulare Genetik  
 Innenstr. 63-73, D-14195 Berlin, Germany  
 Tel: +49 30 8413 1612  
 Fax: +49 30 8413 1380  
 Email: hennig@molgen.mpg.de  
 The library was characterised by oligonucleotide fingerprinting (ONFP) to reduce sequencing redundancy. According to the ONFP procedure, clones that display the same hybridisation matrix with a battery of 200 8mer oligonucleotides are grouped into clusters. One clone per ONFP cluster was selected for sequencing. cDNA clones and filters are distributed via Deutsches Ressourcenzentrum fuer Genomforschung GmbH (<http://www.rzpd.de>).

#### FEATURES

#### Source

#### Location/Qualifiers

#### 1. -264

#### /organism="Bos taurus"

#### /mol\_type="mRNA"

#### /db\_xref="taxon:9313"

#### /clone=RZPDb105M036Q"

#### /sex="female"

#### /issue\_type="brain tissue"

#### /dev\_stage="adult brain"

1: gb\_est1: \*  
 2: gb\_est2: \*  
 3: gb\_est3: \*  
 4: gb\_htc: \*  
 5: gb\_est4: \*  
 6: gb\_est5: \*  
 7: gb\_est6: \*  
 8: gb\_est7: \*  
 9: gb\_g881: \*  
 10: gb\_g882: \*  
 11: gb\_g883: \*

Copyright (c) 1993 - 2005 Compugen Ltd.

GenCore version 5.1.6

OM nucleic - nucleic search, using bw model

Run on: December 11, 2005, 10:59:26 : Search time 2451 Seconds

(without alignments) 12829.057 Million cell updates/sec

Title: US-10-696-282-1

Perfect score: 4718

Scoring table: IDENTITY\_NUC

Sequence: 1 ttgcgccactccctcttgcg.....cgcagagaggagtggcaa 4718

Gap: 10.0 , Gapext 1.0

Searched: 4996997 seqb, 3332346308 residues

Total number of hits satisfying chosen parameters: 99933994

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : N\_Geneseq 21:\*

1: - geneseqn1980s:\*

2: geneseqn1990s:\*

3: geneseqn2000s:\*

4: geneseqn2001as:\*

5: geneseqn2001bs:\*

6: geneseqn2002as:\*

7: geneseqn2002bs:\*

8: geneseqn2003as:\*

9: geneseqn2003bs:\*

10: geneseqn2003cs:\*

11: geneseqn2003ds:\*

12: geneseqn2004as:\*

13: geneseqn2004bs:\*

14: geneseqn2005s:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match Length	DB	ID	Description
1	4718	100.0	4718	3	AAD00772	Aad00772 Adeno-abs
2	4718	100.0	4718	10	ADB76507	Ade76507 Adeno-abs
3	4718	100.0	4718	10	ADL13984	Adl13984 Adeno-abs
4	4718	100.0	4718	12	ADG39158	Adg39158 AAV-1 gen
5	4258	90.3	4683	4	AAP23749	Aap23749 AAV6 DNA
6	4258	90.3	4683	10	ADL13983	Adl13983 Adeno-abs
7	4258	90.3	4683	12	ADG39163	Adg39163 AAV-6 gen
8	3947.4	83.7	4721	10	ADB76502	Ade76502 Adeno-abs
9	3947.4	83.7	4721	12	ADG39164	Adg39164 AAV-7 gen
10	3947.4	83.7	4721	14	ADV67509	Adv67509 Nucleocid
11	3947.4	83.7	4721	14	ADZ27030	Adz27030 Adeno-abs
12	3890	82.5	4347	13	ADW39398	Adw39398 Adeno-abs
13	3890	82.5	4347	14	ADZ46594	Adz46594 HSV-1 AAV 8
14	3666.8	77.7	4239	13	ADW3902	Adw3902 Adeno-abs
15	3666.8	77.7	4239	14	ADZ46598	Adz46598 HSV-1 AAV 8
16	3622.6	76.8	4382	9	ADQ80410	Adq80410 AAV9 rep
17	3587.2	76.0	4385	10	ADZ76506	Adz76506 Adeno-abs
18	3546.4	75.2	4393	9	ACF05811	Acf05811 Adeno-abs
19	3546.4	75.2	4393	10	ADB76505	Adb76505 Adeno-abs

ALIGNMENTS

RESULT	1
ID	AAD00772
XX	AAD00772 standard; DNA; 4718 BP.
AC	
XX	
DT	08-SSB-2000 (first entry)
XX	
DB	Adeno-associated virus serotype 1 DNA.
XX	
KW	Adeno-associated virus serotype 1; AAV-1; rep protein; capsid protein; cap protein; recombinant viral vector; gene delivery; gene therapy; vaccine; transgene; ss.
XX	
OS	Adeno associated virus serotype 1.
XX	
FH	Location/Qualifiers
FT	Key
FT	repeat_unit
FT	1. .143
FT	/*tag= a
FT	/label= 5' ITR
FT	/*tag= "Inverted terminal repeat which is capable of forming T-shaped hairpin structure"
FT	89. .110
FT	/*tag= b
FT	/bound moiety= "Rep protein"
FT	124. .125
FT	misc_feature
FT	/*tag= c
FT	/note= "Terminal resolute site (TRS)"
FT	misc_binding
FT	219. .226
FT	/*tag= d
FT	/bound moiety= "USP"
FT	/*tag= f
FT	/note= "B box"
FT	236. .239
FT	promoter
FT	/*tag= g
FT	/note= "Terminal resolute site (TRS)"
FT	label= P5_promoter
FT	protein_bind
FT	237. .245
FT	/*tag= f
FT	/bound moiety= "YYI factor"
FT	270. .275
FT	TATA_signal
FT	/*tag= g
FT	label= P5_TATA_Box
FT	299. .306
FT	misc_feature

